

Leak Sealer Words

Orton-Gillingham Concept: “ea” words

Science: Polymers/molecules

Materials:

1. Ziploc or clear plastic bags
2. Two or three sharpened pencils
3. Marking pens

Directions:

1. Give each student a ziploc or plastic bags
2. Dictate “ea” words - students write them on the bags with marking pens as they say the sounds.

team neat speak leap heat meat dream steal cheat

3. Teacher selects one of the students’ bag. He then fills the bag half full with water and seals it. Then the teacher stabs a pencil through the bag from one side and out through the other). The water won’t leak out. The teacher stabs a second pencil and the water will not leak out of the bag.

Explanation: Plastic bags are made of polymers. Polymers are long chains of molecules that are joined together. These molecule chains join to chains next to them (this makes the plastic stronger). One molecule that is used to make plastics is ethylene. When these molecules are connected together, they form polyethylene plastic. One property of polyethylene plastic is that when the plastic bag is punctured, the plastic shrinks around the opening and closes off the hole.